

10/10/06

SDMS US EPA REGION V -1

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M E M O R A N D U M

DATE: 1-12-88
TO: John Steller
FROM: Sheila Fite
SUBJECT: Contract Transmittal

_____ Please have the Division Manager sign both copies of the signature page of the attached contract or contract amendment and forward along with the Contract Transmittal sheet to the contractor. When the contract or contract amendment is mailed to the contractor, please call Marilyn Garst at 2-9894 to inform her of the date mailed.

_____ X

Attached please find your copy of a fully executed contract or contract amendment. Another copy has been forwarded to the contractor.

SF:mg

RECEIVED
JAN 12 1988
IEPA/DLPC

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
AMENDMENT NUMBER 5 TO
PROFESSIONAL SERVICES AGREEMENT

The Illinois Environmental Protection Agency and Ecology & Environment, Inc., whose address is 195 Sugg Road, P.O. Box D, Buffalo, New York 14225, hereby agree to the amendment of Professional Services Agreement Number LCU-32, dated September 9, 1985, Amendment 1 dated January 2, 1986, Amendment 2 dated March 1, 1986, Amendment 3 dated August 31, 1986 and Amendment 4 dated August 24, 1986, executed as follows:

1. Paragraph D(1) (See Amendment #4) of the Agreement is hereby eliminated and struck in its entirety and the following Paragraph D(1) is inserted in its place:
 1. The Contractor shall furnish the necessary personnel, materials, services, facilities and otherwise do all things necessary for or incident to the performance of the work at the Dead Creek project, Sauget and Cahokia, Illinois (LPC #1600200005) (hereinafter designated as "Site") as set forth in:
 - a. The Contractor's Proposal dated May 20, 1985; _
 - b. The Agency's Request for Proposal dated April 3, 1985;
 - c. The Contractor's Revised Rate Schedule dated November 26, 1985;
 - d. The Contractor's Letter dated February 18, 1986; and
 - e. The Agency's letter authorizing a re-evaluation of the present Statement of Work, dated July 11, 1986;
 - f. The Contractor's Proposal to Implement a Revised Scope of Work, dated August 4, 1986 as amended by the Contractor's revised cost estimate letter, dated August 26, 1986;
 - g. The Contractor's letter, dated September 15, 1986;
 - h. The Agency's letter, dated September 16, 1986;
 - i. The Contractor's letter of cost comparisons, dated August 20, 1986;
 - j. The Contractor's letter, dated November 25, 1986; and
 - k. The Contractor's letter and cost proposal as amended dated ☒ March 11, 1987, as requested by the Agency's letter dated ☒ January 8, 1987 and as approved by the Agency's letter dated July 2, 1987; ☒

- l. The Contractor's letter and cost proposal as amended dated April 8, 1987, as approved by the Agency's letter dated April 28, 1987; ✓
 - m. The Contractor's letters dated May 8, 1987 and September 11, 1987, as agreed to by the Agency's letter dated May 21, 1987; ✓
 - n. The Agency's letter dated October 30, 1987; and ✓
 - o. This contract
2. Paragraph D(2) (See Amendment #4) of the Agreement is hereby eliminated and struck in its entirety and the following Paragraph D(2) is inserted in its place:
 2. The documents cited in Paragraph D(1)(a) through D(1)(n) are incorporated by reference into this contract and made a part hereof. If there is a conflict between the terms and provisions of this contract and the documents cited in Paragraph D(1)(a) through D(1)(n), the terms and provisions of this contract shall control.
 3. Paragraph E(1) (See Amendment #4) of the Agreement is hereby eliminated and struck in its entirety and the following Paragraph E(1) is inserted in its place:
 - ✓ 1. This is a cost plus fixed fee contract with a ceiling price for all work performed under this contract of \$1,196,186.00.
 4. Paragraph E(2)(a) and Paragraph E(2)(b) (See Amendment #4) of the Agreement are hereby eliminated and struck in their entirety and the following Paragraph E(2)(a) and Paragraph E(2)(b) are inserted in their places:
 2. a. The contractor shall perform all work under this contract at the rates and in accordance with the Schedule of Task Completion specified in the Contractor's proposal dated May 20, 1985, as amended by those documents listed in Paragraph D(1)(c) through D(1)(n) which were incorporated into this contract by Paragraph D(2).
 - b. The Contractor shall be reimbursed at the rates specified in the Contractor's Proposal dated May 20, 1985 as amended by those documents listed in Paragraph D(1)(b) through D(1)(n) which were incorporated into this contract by Paragraph D(2).
 5. Paragraph E(3)(a) and Paragraph E(3)(b) (See Amendment #4) of the agreement are hereby eliminated and struck in their entirety and the following Paragraph E(3)(a) and Paragraph E(3)(b) are inserted in their places:

3. a. The cost limit for the satisfactory performance of all work under this contract is \$1,124,549.00; this amount is subject to change by formal contract amendment only.
 - b. The fixed fee limit for the satisfactory performance of all work under this contract is \$71,637.00; this amount is subject to change only by a material change in the scope of work and by formal contract amendment.
6. All other agreements shall remain in force.

IN WITNESS WHEREOF, the parties hereto have executed this amendment this 4th day of January, 19 82, and agreed that it shall become a part of the Professional Services Agreement Number LCU-32, as evidenced by the signatures of their duly authorized representatives as affixed below.

Ecology & Environment, Inc.

Illinois Environmental Protection Agency

By *Donald L. Frank*
Vice President

By *Richard J. Carlson*
Richard J. Carlson, Director

INTRA-AGENCY CONCURRENCE:

W. C. Child
Division Manager

J. C. Keltman
Fiscal Officer

SF:s1s/sp/3897g,10-12



ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

*Sauget
SF/Lech
CFSM*

May 8, 1987

Mr. Jeff Larson
Illinois EPA
Division of Land Pollution Control
2200 Churchill Road
Springfield, IL 62706

Dear Jeff:

As we discussed on May 8, three ground water sample bottles and their backup bottles from the Dead Creek Project were broken, thereby preventing all analyses for three monitoring wells. Two of the broken samples were from Site O (Sauget Treatment Plant), and the remaining one was from a well along the west side of Dead Creek.

One of the two broken samples from Site O was from the background well for the site. Due to the stringent quality control requirements for HRS scoring, E & E feels it will be necessary to resample all of the wells at Site O. This will entail analysis of four additional samples at a cost of \$1040 per sample, or a total of \$4160 for the additional analyses required. The additional cost is from three samples at Site O which were analyzed, plus one blank sample for quality control purposes.

If you have any questions regarding this matter, please feel free to contact me or Mike Miller.

Sincerely,

Dan Sewall

Dan Sewall

81P:1F

REC'D
MAY 11 1987
EPA-DLPC



ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

*Janet
SF/Fiscal.*

September 11, 1987

Mr. Jeff Larson
Illinois EPA
Division of Land Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Dear Jeff:

In a memorandum dated May 8, 1987, E & E notified the IEPA that bottles for three ground water samples from the Dead Creek Project were broken. Two of the broken samples were from Site 0, including one from the background well for the site. It was determined that, in addition to the wells for which sample bottles were broken, the remaining wells at Site 0 would be resampled.

Resampling of monitoring wells at Dead Creek was conducted on July 14, 1987. A total of seven ground water samples were collected. The seven samples include three at monitoring wells where sample bottles were broken, and resampling and analysis of three additional wells at Site 0 plus a blank sample.

The IEPA previously requested a breakdown of costs for this resampling effort. The cost will remain as outlined in the May 8 letter: \$1040 per sample, or a total of \$4160 for analysis of four additional ground water samples. As a crew was already in the field conducting infiltration testing and air sampling during the week that ground water samples were collected, no other associated costs are applicable for the resampling effort. A listing of wells sampled and associated costs is included below:

<u>Sample No.</u>	<u>Well No.</u>	<u>Cost</u>
DC-GW-39A	Well EE-22	\$ 1040
DC-GW-41A	Well EE-24	1040
DC-GW-43A	Well EE-25	1040
DC-GW-57	Blank Water	1040

Total Analytical = 4160

RECEIVED
SEP 16 1987
IEPA/DLPC

September 14, 1987
Mr. Jeff Larson
Page Two

I hope this breakdown meets your needs for developing a modification to the contract. If you need further information, please do not hesitate to call Mike Miller or myself.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dan Sewall".

Dan Sewall

21J:1M



L1630200005 -- St. Clair Co.
Sauget - Sauget Sites
Superfund - Fiscal

May 21, 1987

Mike Miller, Project Manager
Ecology & Environment
111 W. Jackson Blvd.
Chicago, IL 60604

Dear Mike:

I am in receipt of Dan Sewell's letter of May 8, 1987 for the above referenced project, detailing cost additions for three water samples. Two of the samples from Site 0 and one sample from Dead Creek were broken.

I agree with your position that it would be wise to resample all the wells at Site 0. This requires four samples at \$4160 cost. Please Contact Warren Smull at Monsanto to coordinate sample times so that splits can be taken. I would also appreciate a more detailed description of what the IEPA is paying for in its 4160 dollars of additional cost. Please break out shipping, man hours, field work, direct cost, indirect cost, etc. Your estimate is accepted, please proceed with sampling.

Thank you

Jeff Larson
FSMU, Project Manager

JL:mab/2547g/8

cc: Terry Ayers
Bill Radlinski
John Steller ✓



217/782-6761

L1630200005
St. Clair County - Sauget
Superfund/Fiscal

January 8, 1987

Mike Miller, Project Manager
Ecology and Environment
111 West Jackson Blvd.
Chicago, Illinois 60604

Dear Mike:

In the second week of December, 1986 Ecology and Environment commenced with the well drilling operations through a subcontractor. Cuttings and water from the wells which produce a significant reading on an HNU have been contained and stored near your on-site office location.

IEPA is presently formulating a policy addressing this very problem, and the actions necessary at individual sites to secure, transport, and store/destroy the contaminants from drilling operations. Because we are presented with this problem at this time and drums containing waste are being stored on private property in Sauget, it is essential that an Agency decision be forthcoming at this time. IEPA is requesting that Ecology and Environment prepare a cost estimate for performing the necessary sampling, work, permit application, and removal operation and oversight work.

Please prepare and submit this requested information so that we may review and contact you as per approval and timing. IEPA will adopt the finished price submitted at the close of this phase of work to the contracted S.O.W.

Sincerely,

Jeff Larson
Federal Site Management Unit
Remedial Project Management
Division of Land Pollution Control

JL:st:1081g,66

cc: Bob Cowles
Lisa Bonnett
John Steller



ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

March 11, 1987

RECEIVED
MAR 16 1987

IEPA-DLPC

1630200005 H. Chan
Sanger.
Springfield, Ill.

Mr. Jeff Larson
Federal Site Management Unit
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
P.O. Box 19276
Springfield, Illinois 62794-9276

Dear Mr. Larson:

Re: Off-Site Disposal of Investigation-Derived Waste from the Dead
Creek Remedial Investigation (RI)

Pursuant to your letter dated January 8, 1987, Ecology and Environment, Inc., (E & E) is pleased to present the following scope of work and cost estimate for the work necessary to make arrangements for and oversee the off-site disposal of investigation-derived waste from the Dead Creek RI.

Scope of Work

E & E will select a qualified contractor and disposal facility and oversee the removal and ultimate disposal of all investigation-derived waste to the selected facility or facilities. The Illinois Environmental Protection Agency (IEPA) will still be the waste generator, required to sign off on all manifests and paperwork.

The initial step required under this task is to obtain the necessary IEPA identification number and the United States Environmental Protection Agency (EPA) identification number for IEPA. This step will be performed by E & E with any necessary support provided by the IEPA project manager.

Concurrently with obtaining the identification numbers, the E & E staff will perform a complete inventory of the investigation-derived waste. All drums will be matched with applicable E & E sample numbers to facilitate completion of the necessary waste profile sheets.

It is anticipated that the data derived from the sample analyses will be sufficient to complete the waste profile sheets required by the selected vendor(s). In addition, E & E anticipates that no additional sampling of the solid material will be required. However, it is anticipated that the disposal vendor(s) will require a sample of the

Mr. Jeff Larson
March 13, 1987
Page Two

liquid materials so that the best treatment process can be selected. These samples will be collected and shipped to the vendor(s) by E & E.

E & E will arrange for a licensed hauler to move the drums to a central, secure staging area. The disposal facility will be responsible for loading and transporting the drums of waste. E & E will complete all necessary waste manifest forms and maintain copies for signature by the state's representative.

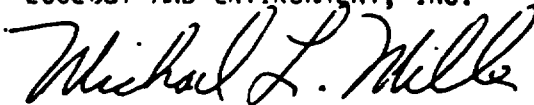
Project Cost Estimate

The estimated cost to provide the services as presented in the scope of work is \$9,415. A detailed cost breakdown is shown on the following page. These costs were projected in accordance with the rates contained in our amended Dead Creek contract.

After your review, please contact me with any questions you may have, and to convey to me the agency's intentions regarding this proposal.

Sincerely yours,

ECOLOGY AND ENVIRONMENT, INC.

A handwritten signature in cursive script that reads "Michael L. Miller".

Michael L. Miller, P.E.

MLM/njc
Enclosure

SCHEDULE "A-1" - COST BREAKDOWN

COVERING THE PERIOD:

FOR: Illinois EPA, Division of Land Pollution Control

With reference to Letter Agreement, Purchase Order, or equivalent by and between the aforementioned Company and ECOLOGY AND ENVIRONMENT, INC., "Consultants."

RELATING TO: Dead Creek Project Investigation - Derived Waste Disposal

	<u>HOURS</u>	<u>RATE</u>	<u>AMOUNT</u>
DIRECT LABOR			
Principal	_____	_____	_____
Chief	_____	_____	_____
Senior	_____	_____	\$1,540
Associate	_____	_____	_____
Junior	_____	_____	\$982
Technician	_____	_____	_____
Asst. Technician/ Word Processor	_____	_____	_____
Secretary	_____	_____	_____

1. SUBTOTAL	\$2,522 \$2,539
2. INDIRECT EXPENSES (Overhead @ 65%)	1,640 1,278
3. OTHER DIRECT CHARGES	2,525
4. SUBTOTAL: TECHNICAL PERFORMANCE COST	6,687 6,342
5. GENERAL & ADMINISTRATIVE EXPENSE (28% of Line 4)	1,873 2,063
6. SUBTOTAL	8,560 8,405
7. PROFIT (5% of non-labor)	162 152
PROFIT (13% of other costs)	593 806
8. SUBCONTRACTOR SERVICES (Cost plus 10%)	_____
9. E & E DRILLING SERVICES	_____
10. ANALYTICAL SERVICES (Unit Cost)	_____
11. EQUIPMENT USAGE (See attached sheet)	_____
12. TOTAL COST THIS PERIOD	\$9,415 \$9,363



2177782-6761

L1630200005 St. Clair Co.
Sauget - Sauget Site
Superfund - Fiscal "notice to proceed"

July 2, 1987

Mike Miller
Ecology & Environment
111 W. Jackson Blvd.
Chicago, Illinois 60604

Dear Mike:

On Friday June 26, 1987 you brought to my attention the subject of waste disposal of the drill cuttings presently stored at Metro (your field office). This waste must be disposed of.

Your March 11, 1987 letter details the scope of work and costs for this action. I agree with your costs and work outline and feel you should initiate action at this time for disposal of the wastes. I can be of assistance in the IEPA permitting process and obtaining identification numbers. A sample for the vendor will need to be taken and that can be performed on your next site visit (June 30 to July 10).

I'm sorry for the delay in response to this request. After searching my files I could not find any previous correspondence authorizing this activity.

Sincerely,

Jeff Larson, L.A.
Federal Site Management Unit
Remedial Project Management Section
Division of Land Pollution Control

JL:pmd2946g/22

cc: ~~John Steller~~
Div. File
Terry Ayers
Author



International Specialists in the Environment

April 3, 1937

Mr. Jeff Larson
Division of Land Pollution Control
Illinois EPA
2200 Churchill Road
Springfield, Illinois 62706

Dear Jeff:

As discussed in previous telephone conversations, Ecology & Environment, Inc. believes that it would be beneficial to perform hydraulic conductivity tests at newly installed monitoring wells for the Dead Creek/Sauget sites RI. E & E is pleased to present the following scope of work and cost estimate for the hydraulic conductivity testing.

Scope of Work

E & E will perform hydraulic conductivity tests of aquifer materials using the rising head slug test method. The slug tests will be accomplished by inserting a water tight cylinder into a well, which will displace a known volume of water, thereby raising the water level in the well. After the water level in the well stabilizes at the original static level, the cylinder will be swiftly removed. The removal of the cylinder causes the water level to be depressed by a known volume below the static level. Water levels are then recorded at specific time intervals until the water level recovers to original static level.

Water level data will be collected using a Model EL-200 Groundwater Monitoring System with a pressure transducer sensor, manufactured by Enviro-Labs, Inc. The slug will consist of a 5 foot long, 1 1/4-inch outside diameter length of PVC pipe filled with sand.

Slug tests will be performed at two monitoring wells on each of the five sites at which wells were installed. These sites include Site G, Site H, Site I, Site O, and Site Q. The data collected will be used to calculate a hydraulic conductivity for aquifer materials in the vicinity of the respective well screens using the Hvorslev method for unconfined aquifers. The results from the tests will enable E & E to evaluate the potential for contaminant migration and the expected distribution of contaminants through groundwater transport. ALU

416661 / 6.00

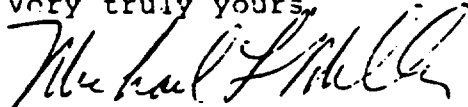
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Project Cost Estimate

The estimated cost to provide the services as presented in the scope of work summary is \$ 7,592.79. A detailed cost break-down by task and cost element is shown on the attached sheet. These costs were projected in accordance with the rates in an amended Dead Creek contract.

Following your review, please contact me with any questions you may have or any intentions the agency has regarding this proposal.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Michael L. Miller", written over the typed name.

Michael L. Miller, P.E.
Project Manager

Encl.
730:1W

IEPR: Dead Creek

Estimated Direct Labor Hours & Costs

Performance of Hydraulic Conductivity Tests on Monitoring Wells

Labor Rate Per Hour	Totals	Test 1
Principal	0	0
Chief	0	0
Senior	52	52
Associate	52	52
Junior	0	0
Technician	0	0
Ass't Technician	0	0
Secretary	0	0
TOTAL HOURS	120	120

1) Total Labor Dollars	25.806	\$1,562.40	\$1,562.40	
2) Fringe Benefits	25.806	330.60	330.60	403.00
3) Total Labor Cost		\$1,353.00	1,953.00	1,965.00
Overhead Rate -----)		50.35%	65.0%	
4) Overhead		\$1,269.45	1,269.45	980.60
5) Travel- Airfare		320.00	320.00	
- Per Diem		200.00	200.00	
- Lodging		400.00	400.00	
- Auto Rental		240.00	240.00	
Subtotal Travel		\$1,160.00	1,160.00	
6) Subcontracts		0.00	0.00	
7) Other Direct Costs:				
Personal Protection Disposables		0.00	0.00	
Communication		50.00	50.00	
Rental of EL 200 Grtr. Mon. System		600.00	600.00	
Miscellaneous Supplies		300.00	300.00	
Subtotal ODCs		\$950.00	950.00	
8) Subtotal	.3252	\$5,332.45	5,332.45	4,663.00
9) SG&A (excluding subcontracts)	20.0%	\$1,493.03	1,493.03	2,333.00
10) TOTAL COST		\$6,825.54	6,825.54	7,398.00
11) FEE (on non-labor)	6% 5.0%	\$135.04	135.04	127.00
12) FEE (on other costs)	17% 12.0%	\$536.22	536.22	713.00
13) Laboratory Analysis (E&E)		0.00	0.00	
13) Equipment Usage (E&E)		0.00	0.00	
14) Computer Usage (E&E)		0.00	0.00	
15) TOTAL PRICE		\$7,536.75	7,536.75	\$8,238.00



217/782-6761

Refer to: L1630200005 -- St. Clair County
Sauget -- Sauget Sites
Superfund -- Fiscal

April 28, 1987

Mike Miller
Ecology and Environment
111 W. Jackson Boulevard
Chicago, Illinois 60604

Dear Mike:

I am in receipt of your April 8, 1987 letter detailing Scope of Work alterations and associated cost estimates for the above referenced project.

IEPA accepts the cost estimates of \$7,592.79 for proposed Hydraulic Conductivity tests and the newly installed monitoring wells. In discussions with Dan Sewell a proposed date for performing these slug tests would be in early May. I understand that these tests are to be performed at Site G, H, I, O, & Q. Thank you for supplying IEPA with these cost estimates and I apologize for the delay in approval on our part.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jeff Larson", with a long horizontal flourish extending to the right.

Jeff Larson
Federal Site Management Unit
Remedial Project Management Section
Division of Land Pollution Control

JL:rd2370g/4

cc: Terry Ayers
John Steller
Bill Radlinski



ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

Sargent
SF/Fiscal

October 30, 1987

Jeff Larson
Division of Land Pollution Control
IEPA
2200 Churchill Road
Springfield, Illinois

Dear Jeff:

Attached is an itemized (by task) listing of expenditures on the Dead Creek Project as of October 10, 1987. While it is not 100% accurate, it reflects substantially correct totals for budgeting purposes.

As you can see, a total of \$1,096,994 of the total \$1,341,091.79 budget has been expended. Subtracting the postponed FS task budget of \$145,449 which has been set aside, approximately \$98,599 remain for completion of work. As I previously advised you, I expect to be within budget.

If you need any additional information, please contact me.

Very truly yours,

Michael L. Miller P.E.

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NOV -2 1987
IEPA/DLPC

The following table provides the expenditures as of October 10, 1987.

<u>Task</u>	<u>\$ Expended</u>
1 Initial Meeting	5,211
2 Work Plan	42,922
3 Associated Support	10,576
4 Add'l Data Gathering	15,189
5 Describe Current Situ	28,202
6 Preliminary Report	14,082
7 Site Investigation	118,063
8 Prelim. Remed. Tech	5,253
11 Add'l Requirement	7,330
20 Add Req. New Scope	22,793
21 Revised Scope Devel.	20,000
22 Work Plan Revision	15,102
24 Air Monitoring	40,999
25 Add'l Investigations	398,932
26 Final Report	15,898
27 Analytical Services	332,859
28 Waste Disposal	3,583
 Total	 1,096,994



DATE: February 8, 1988
TO: John Steller
FROM: Jeff Larson *jl*
SUBJECT: L1630200005 - St. Clair Co.
Sauget/Sauget Sites
Superfund/Fiscal

JUSTIFICATION FOR CONTRACT AMENDMENT

The contract for PA/SI (RI/FS) activities will terminate on February 15, 1988. Contracted work with Ecology & Environment, Inc. has not yet been completed.

The amount of time needed to complete the assessments and investigation reports is expected to be an additional six months. I suggest the contract be extended to November 15, 1988.

JL:kls/i-1

cc: Division File
Author